

TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.

REG.  
"Pony"  
U.S. PAT. OFF.

# ADJUSTABLE CLAMP CO.

## "The Clamp Folks"

*Manufacturers of*

"Jorgensen" PEERLESS ADJUSTABLE HANDSCREWS  
"Jorgensen" STEEL BAR CLAMPS  
"Jorgensen" DROP FORGED STEEL "C" CLAMPS  
"Jorgensen" CARRIAGE AND MACHINISTS CLAMPS,  
"PONY" CLAMP FIXTURES AND CLAMPS, ETC.

417 NORTH ASHLAND AVE.  
TELEPHONE: MONROE 6-0640

CHICAGO (22) OCTOBER 18TH, 1956.

JERRY GLASER, MGR. ACC.  
PROPULSION RES. CORP.  
1860 FRANKLIN ST.,  
SANTA MONICA, CALIF.

F-4

DEAR SIR:

THANK YOU for your interest in our "JORGENSEN" and "PONY" Clamps!

Here is the literature you requested - we believe you will find it interesting enough to keep handy for reference whenever CLAMPS are of importance in your buying plans.

If you are not already familiar with our product, your own careful comparisons will indicate some of the reasons why our "JORGENSEN" and "PONY" trade-names occupy such high regard in the minds of all classes of clamp users. And you will be pleased to note that the knowledge and skill we have acquired in over fifty years of specialization in the manufacture of "clamps" combine to make these fine tools available to you at prices competitive with those asked for "ordinary" clamps!

We have tried to have our literature meet all your needs for planning and purchasing your clamps; but if you have any questions, need further information, or would like a quotation on your specific requirements - drop us a line and we will send a promptly-handled reply.

Be sure to specify and insist upon Genuine

"JORGENSEN" and "PONY" Clamps - - - -

for guaranteed utmost satisfaction and economy.

Again - our thanks for your request -

Very truly yours,

ADJUSTABLE CLAMP COMPANY

#f-1055



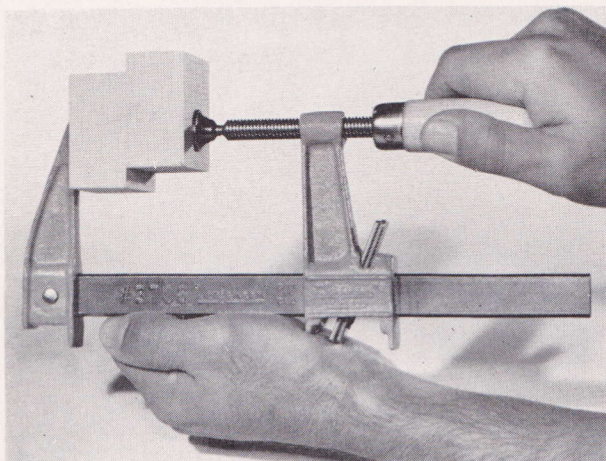
a **NEW** light pattern  
**"HIGH SPEED"** design  
**style no. 37**

with instant-acting  
**"MULTIPLE DISC CLUTCH"**  
of latest, exclusive  
"extended" clutch-disc design

**PRICED LOW**  
for

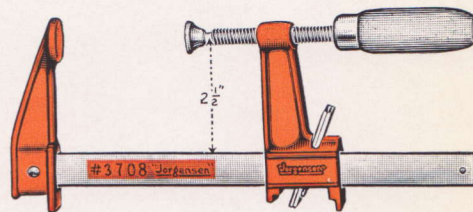
**Homecrafters  
Patternmakers  
Woodworkers  
Metal Workers**

Here is a very light-weight, low-priced, instant-acting bar clamp made to "JORGENSEN" quality standards. It will be appreciated by thousands of industrial, school, and home-craft clamp users who previously have had to depend upon clamps of the "toy" class in their light fabricating, assembly, and repair work. Featuring the NEW "extended" clutch-disc design, the Style #37 is instantly-adjustable within its capacity range—operates much faster than conventional "C" clamps—is ideal for use in close quarters.



"Reach" is  $2\frac{1}{2}$ " from edge of bar to center-line of screw. Clutch-discs are reversible, or easily replaced at practically no cost if ever necessary. A quality tool, popularly priced for volume sale, which will give enduring service within its light-load limits.

**"Jorgensen"**  
REG U S PAT OFF  
**STEEL BAR CLAMPS**



U. S. Pat. No. 1783713. Other Patents Pending.

NEW, exclusive "extended" clutch-disc design. The "MULTIPLE DISC CLUTCH" grips the bar automatically at any point—will not slip—allows the sliding-head to be zipped to position against the work, the screw being used only to apply or release final pressure. Clutch-disc extensions both above and below the head-casting permit easy finger release from either top or bottom.

**BAR:**  $\frac{1}{4}$ " x  $\frac{3}{4}$ " round-edge HIGH CARBON (SPRING) STEEL, without notches or deformity—tensile strength over 100,000 lbs. per sq. in. "Stock number" rolled into bar for easy identification.

**CASTINGS:** Best grade MALLEABLE IRON, orange color baked enamel finish. HARDENED STEEL Clutch Discs, plated, reversible.

**SCREW:** COLD-DRAWN STEEL,  $\frac{3}{8}$ " dia. with smoothly cut threads. TURNED STEEL swivel, put on to stay.

**HANDLE:** Smoothly finished HARD MAPLE, with heavy steel ferrule. Will not come loose.

**JAW REACH:**  $2\frac{1}{2}$ " from edge of bar to center-line of screw.

**STYLE NO. 37 "JORGENSEN"**

stock no.	maximum opening capacity inches	shipping weight per dozen
3706	6	15 lbs.
3712	12	20 lbs.
3718	18	25 lbs.
3724	24	30 lbs.

#3706 and #3712 packed  $\frac{1}{2}$ -Dozen per shelf box.  
#3718 and #3724 packed  $\frac{1}{2}$ -Dozen per bundle.

Manufactured by the makers of famous "JORGENSEN" Steel Spindle Handscrews, Steel Bar Clamps, "C" Clamps, Welders' Clamps, and "PONY" Clamp Fixtures, "C" Clamps, Press Screws, etc.

Ask for free complete catalog.



For woodworking shops . . . school shops . . . home workshops

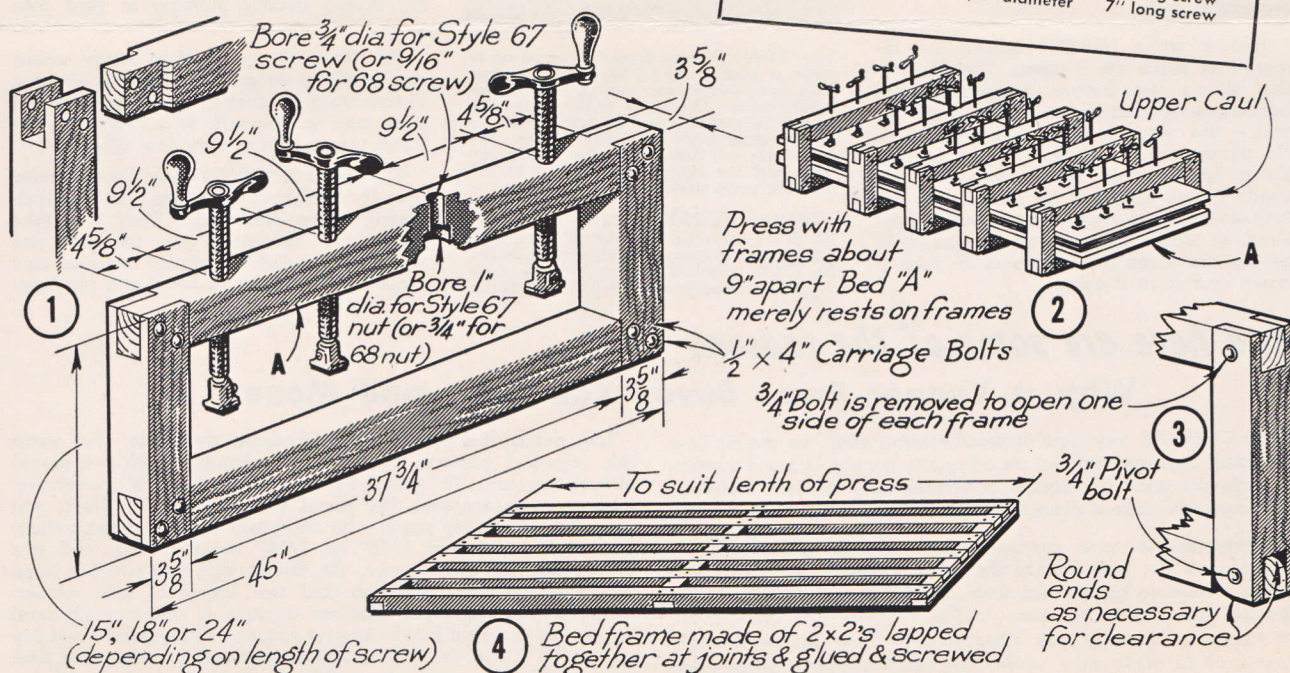
# How to Make Low-Cost VENEER PRESS FRAMES

with "Jorgensen" and "Pony" Press Screws

FOR modern cabinetwork, a veneer press is essential. Even the smallest woodworking shop or home workshop occasionally has to make up individual panels . . . face standard plywood panels, table or counter tops and other work with Formica, Micarta, hardboard and similar materials . . . laminate special parts . . . assemble cabinet members under heavy, uniform pressure.

No one ever realizes the many uses for a press until he actually has one in his shop. In fact, large shops with expensive commercial press equipment have frequent need for small auxiliary presses.

Fortunately, small veneer presses are easy to construct. The best type for general use consists of individual rectangular, easily stored frames made as shown in Fig. 1. Several frames are set up in line as shown in Fig. 2 to form a press of the required size.



## Frame Sizes . . . The Bed and Cauls . . . Open-Side Construction . . . Other Hints

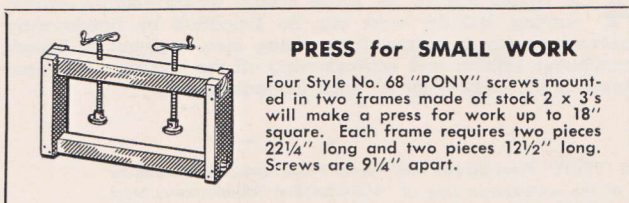
THE size of the frames depends, naturally, upon the work to be done. The strain, especially on top member A, Fig. 1, is considerable. It is a good rule to make frame members **oversize** rather than undersize. Oak, maple, birch or other very hard wood should be used if possible, but hard yellow pine, or other sound, strong, straight-grained lumber will serve if that is all that is available. For frames to take a panel 36" wide (with some allowance for trimming), stock 4 x 4's, which are about 3 3/8" x 3 3/8", are the **lightest** recommended.

Joints may be made as in Fig. 1. If, however, a side-opening press is desired for gluing long work, one side member of each frame can be pivoted as shown in Fig. 3 so that it may be opened by removing the top bolt. The work then slides in from the side rather than the end of the row of press frames.

The length of the side members is governed by the distance the selected screw will travel through the upper cross member, plus the thickness of the work and the bed and cauls used.

The bed may be a thick plywood panel, a metal plate, or a frame made as shown in Fig. 4 and covered by laying on it a 3/4" thick plywood panel, a sheet of thick, tempered hardboard, or a metal plate.

For gluing wide panels, one press frame is normally used for each 9" of length, but the frames, if not fastened permanently to the bed, may be shifted closer or farther apart, depending upon circumstances and the pressure required. For average work, find the number of square inches in the panel and divide by 80. This will give the number of **press screws** (not frames) required—that is, one press screw for each 80 square inches.





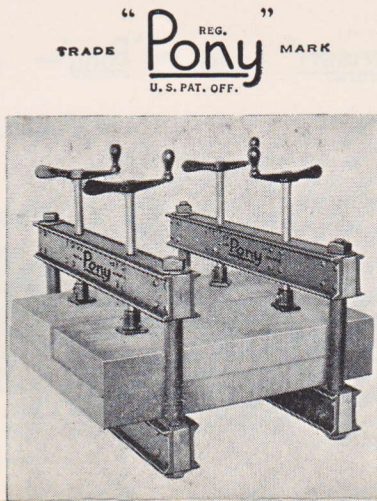
# CONVENIENT READY-MADE PRESS FRAMES

EXTRA STRONG . . . DURABLE . . . SPACE-SAVING . . . EASY TO STORE

ALTHOUGH excellent all-wood press frames may be made in the shop as suggested on the other side of this sheet with the aid of "JORGENSEN" and "PONY" press screws, many woodworkers and cabinetmakers prefer ready-made "PONY" Veneer Press Frames. These are much superior and are the finest small veneer press frames obtainable. The principal advantage lies in the construction of the frames. The beams are built up of structural steel and wood core. They are not only exceedingly strong and rugged, but far less bulky than all-wood frames. That makes them easy to handle and set up, and less storage space is required.

"PONY" Veneer Press Frames were designed to make available a convenient, inexpensive, semi-portable veneer press where the work contemplated does not warrant the purchase or housing of a regulation press.

Two or more "PONY" frames are required to make up a press. The illustration shows two frames in service with hardwood top and bottom plates, between which the work is squeezed for gluing. No plates are furnished with the frames. Either hardwood or steel plates may be used. Plates need not be fastened to the frames unless a permanent set-up is desired, so that it requires only a moment to set up the press for service or to take it down and store it away.



Two "PONY" Veneer Press Frames set up to make a small veneer press. These frames have many advantages over all-wood, shop-made frames. They come in two sizes. The frames illustrated have an inside capacity of 18" clear width, 6" clear height. The larger size will clamp work that is fully 36" wide and are equipped with four 11/16" diameter press screws each.

"PONY" VENEER PRESS FRAMES  
No. 67618—nominal capacity 18" wide; complete with two screws; weight each, 36 lbs.  
No. 67636—nominal capacity 36" wide; complete with four screws; weight each, 56 lbs.

Capacity of the frames illustrated is 18" clear inside width and about 6" clear height. Outside dimensions are 21½" x 16" x 2½". The weight each is about 30 lbs. net. The frames are equipped with two 11/16" diameter Press Screws with swivel foot and iron crank handle. Arrangements can be made, at slight extra cost, to supply these with one bolt removable to make an open-side press.

For average work, if fully 18" wide, one frame is required for each 9" of length. Therefore the capacity of two frames is reckoned at 18" x 18", and of four frames, 18" x 36". For narrower work, the distance between frames may be increased proportionately, to allow about 160 square inches of work area for each frame. For work requiring extra heavy pressure, the frames are set closer together. By this means, considerable latitude is obtainable to make the frames exactly suitable to your own work.

This type of press offers many points of advantage for small quantity production of fine work, production of samples, special jobs, and in general, to avoid tying up large presses for a very few pieces.

The larger "PONY" Veneer Press Frames are of similar construction, but approximately twice the width. They will take work fully 36" wide and therefore are especially useful for gluing counter and table tops, store-fixture work and furniture.

## And here are some of the reasons

### Why a Veneer Press Saves You Time and Money

TO OPERATE any type of woodworking shop, no matter how small or large, without an adequate supply of hand screws, bar clamps and "C" clamps is unthinkable. Modern materials and methods make it almost as essential to have a veneer press.

Cabinetmakers and carpenters will not question this, but others may not fully realize the advantages of having veneer press frames to supplement their other clamping facilities. The frames apply great pressure on flat surfaces that are difficult to clamp as well by any other means. They are particularly important in these days when urea resin or plastic resin glues are so commonly used, because those glues, although they are excellent, durable adhesives, require great and uniform pressure to insure good joints.

Let's take a few examples:

1 Two thin panels faced with mahogany and "good both sides" are needed to complete a project. No mahogany plywood of the correct thickness is available in the shop. The local lumberyard may (but probably doesn't) have a panel; however, it is much too large and correspondingly expensive. Besides, it would leave considerable waste and perhaps is good only on one side. Now, if the shop has some veneer press frames and a stock of relatively cheap poplar crossbanding in 1/8", 1/16" and 1/28" thicknesses, and also a selection of 1/28" face veneers in mahogany and other cabinet woods, it is no trouble at all—and takes surprisingly little time—to lay up the panels and place them in the press.

Just notice the variety of thicknesses available. For extra thin plywood, you can use 1/16" crossbanding with two pieces of face veneer 1/28" thick. By substituting the 1/8" crossbanding, you can increase the panel thickness 1/16". Next, you can make a five-ply panel with one piece of 1/8" crossbanding, two layers of either 1/28" or 1/16" crossbanding, and two layers of 1/28" face veneer. Or, thicker still, you can use three pieces of 1/8" crossbanding and two layers of face veneer. Going beyond this, you can use a piece of ordinary plywood which you have on hand—even a common fir plywood—and lay on it 1/28", 1/16" or 1/8" crossbanding and two layers of face veneer. Face veneers are readily available in at least 50 fine cabinet woods. So, for gluing up a few panels, for making individual projects or samples, and for similar work, a veneer press pays for itself in no time at all.

2 A 3" thick plank of walnut is needed for bandsawing a furniture repair part. Only 3/4" thick walnut is on hand. Glue four thicknesses together and clamp in the veneer press. With a good modern glue and the great pressure of the press, the joints will be almost invisible.

3 A customer specifies a cigarette-proof Formica or Micarta top for a kitchen cabinet or coffee table. Glue it to plywood in the veneer press.

4 A model has to be made which would require skillful carving, but the work can be simplified by bandsawing several boards to shape, then gluing them together in bread-and-butter fashion and spokeshaving off the corners. A veneer press is the answer for all such laminating jobs.

Write for  
free catalog

"JORGENSEN" and "PONY" Press Screws and Veneer Press Frames are made by the manufacturers of the well-known line of "JORGENSEN" Handscrews, Steel Bar Clamps and "C" Clamps, and "PONY" Clamp Fixtures and other designs.

ADJUSTABLE CLAMP COMPANY

"The Clamp Folks"

433 NO. ASHLAND AVE.  
CHICAGO 22, ILL.

#67-1053  
PRINTED  
IN  
U.S.A.



# SUGGESTIONS

## FOR SELECTING CLAMPS FOR THE WELDING SHOP!

# WELD

with

TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.

AND

TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.

### CLAMPS—made to "industrial" standards

Tools in welding service are likely to be called upon to perform satisfactorily under extreme conditions — and this is especially true of CLAMPS! CLAMPS that are "made to be used", and can be depended upon to stay put and hold securely, are often a determining factor in achieving the results desired. "JORGENSEN" and "PONY" Clamps are designed by those who know clamps, and what is expected of clamps in service — they have built into them over fifty years experience in clamp design and manufacture.

For greatest ultimate economy and long service under extreme conditions — the quality materials and careful workmanship that go into all "JORGENSEN" and "PONY" Clamps make them by far the welders' best value.

which we hope will be helpful when you are selecting CLAMPS for use in other types of fabricating and assembly operations. These are made in very general terms — we invite your requests for any specific help that we can give. We have specialized in the field of clamps — every "JORGENSEN" and "PONY" design shown in our catalog (quest) reflects the full benefit of that experience, and will give you the use intended.

Some adaptation of it, is the most generally used type of clamp in welding service, and you will find sizes of "C" clamps in the "JORGENSEN" and "PONY" catalog.

Welders' Clamps are designed especially for welding service, and offer many distinctive features. The "JORGENSEN" features the heavy steel Shield over the full length of the clamp threads from "spatter", from the abuses of shop handling, and even from direct contact with the work. POSITIVE protection to the clamp screw to a degree which no half-way measures can approach. Impinging load, and the clamp is used just the same as any conventional "C" clamp. The metal which will withstand repeated heating and cooling without losing their strength; its to take the rugged service which welders usually demand of their tools.

Amongst the "JORGENSEN" Style No. 120-S will be found to be most practical and economical — as other clamps of equal strength and weight which may offer no "protection" at all. One of the heavier designs (8-S or 820-S) will prove to be of real value.

Advantages of the exclusive "JORGENSEN" Shield on welders' "C" Clamps have been time-proven. Mortality rate of "C" clamps in your welding operations, we suggest that you permit a few to prove their worth in your own shop.

Especially for those applications where "spatter" and other potential damage to the screw threads are a consideration, the "JORGENSEN" and "PONY" line offers a wide selection. In our opinion, for general use, the "JORGENSEN" offers the greatest possible value when strength, weight, and price are considered. If No. 1 "JORGENSEN" Carriage Clamps will be found to serve best, although they are not nearly as heavy as Style No. 120. There are fourteen sizes of Style No. 200 "PONY" "C" Clamps in openings from 1/8" to 2" — if openings are small, they are built to the same "industrial" standards of quality as are our larger clamps. Infused with the 10c-store variety that may "look" similar.

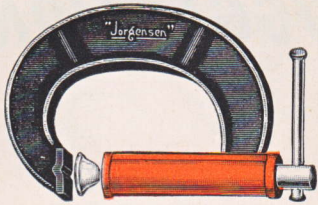
Find many uses in the welding shop, for holding sheet-metal and other relatively light assemblies. Can be put on or take off the work; and while they are not intended or designed to be "ground

To the left is a cutaway view of our exclusive "multiple disc clutch" used on all fast-operating "JORGENSEN" and "PONY" bar clamps. This mechanism is free for instant adjustment up to the work — holds securely any place on the bar without the use of notches or other deformity in the bar to slow up the operation and reduce the effective strength of the clamp. Slight pressure on the clutch fingers releases them after clamping. The clutches encircle the bar or pipe — grip top and bottom — will not crush pipe, or fill up with "filings" from the bar to cause slippage. The clutches are "reversible", and are easily turned around or replaced if that should ever become necessary. Because of this simple construction, the "multiple disc clutch" is trouble-free and efficient, easily maintained and repaired — a distinct advantage and economy over other "quick-acting" holding devices.

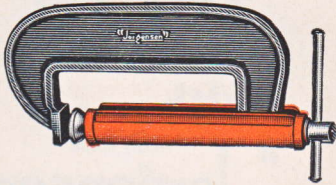


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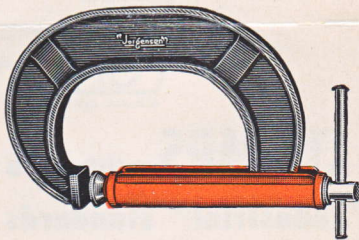
# FOR SELECTING CLAMP WELDING



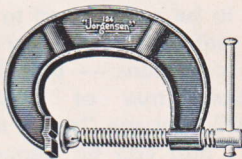
TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.  
STYLE No. 120-S



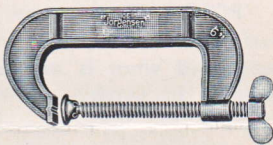
TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.  
STYLE No. 8-S



TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.  
STYLE No. 820-S



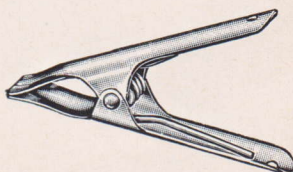
TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.  
STYLE No. 120



TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.  
STYLE No. 1



TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.  
STYLE No. 200



TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.  
STYLE No. 32

Here are some suggestions which we hope will be helpful when you select clamps for Welding Service, as well as for other types of fabricating and assembly work. No remarks are necessarily made in very general terms — we invite you to request additional information or specific help that we can give. We have sold "clamps" for over fifty years — every "JORGENSEN" and "PONY" clamp in our catalog (copy sent upon request) reflects the full benefit of that experience and the greatest possible value for the use intended.

Probably the ordinary "C" clamp, or some adaptation of it, is the most generally used type of clamp. You will find a wide selection of styles and sizes of "C" clamps in the "JORGENSEN" and "PONY" catalogs.

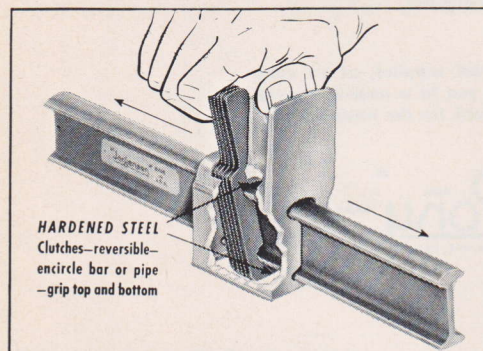
In this field, "JORGENSEN" Shielded Welders' Clamps are designed especially for welding service and offer exclusive advantages over "ordinary" "C" Clamps. The "JORGENSEN" features the heavy-duty shield on the clamp screw, to protect the screw threads from "spatter", from the abuses of shop hands with the torch itself. The Shield offers POSITIVE protection to the clamp screw to a degree which no other clamp can match. The Shield carries no part of the clamping load, and the clamp is used just the same as ordinary "C" clamps. The clamp frames are of specially treated metal which will withstand repeated heating and cooling, and the clamps are built in all respects to take the rugged service which welders usually demand.

For all "general service" requirements, the "JORGENSEN" Style No. 120-S will be found to be the most economical. They are priced within the same range as other clamps of equal strength and weight which carry no shield to the clamp screw! For "heavy service", one of the heavier designs (8-S or 820-S) will prove to be the most economical.

The practical and economical advantages of the exclusive "JORGENSEN" Shield on welded joints have been tested; if you want to reduce the high mortality rate of "C" clamps in your welding operation, a few of the "JORGENSEN" Shielded Clamps prove their worth in your own shop.

In the line of "C" Clamps, and especially for those applications where "spatter" and other abuses of the clamp threads is not so much of a problem, the "JORGENSEN" and "PONY" line offers a wide selection. For general service, the Style No. 120 "JORGENSEN" offers the greatest possible value when strength, weight, and "price" is the first consideration. Style No. 1 "JORGENSEN" Carriage Clamps will be found to be as strong as the comparable sizes of the Style No. 120. There are fourteen sizes of Style No. 200 "PONY" clamps, from 5/8" to 2 1/2" — altho these clamps are small, they are built to the same "industrial" standard as the "C" clamps, and they should not be confused with the 10c-store variety that may "look" similar.

Style No. 32 "PONY" Spring Clamps find many uses in the welding shop, for holding sheet-metal work. Their spring-action makes them very fast to put on or take off the work; and while they are not intended as "clamps," they are often used as such.



To the left is a cutaway view of our exclusive "JORGENSEN" and "PONY" bar clamps. They offer instant adjustment up to the work — holds securely — no use of notches or other deformity in the bar — reduce the effective strength of the clamp. Slight pressure releases them after clamping. The clutches encircle the bottom — will not crush pipe, or fill up with metal. The clutches are "reversible", and are not affected if that should ever become necessary. Because of the "multiple disc clutch" is trouble-free and efficient — a distinct advantage and economy over other types.



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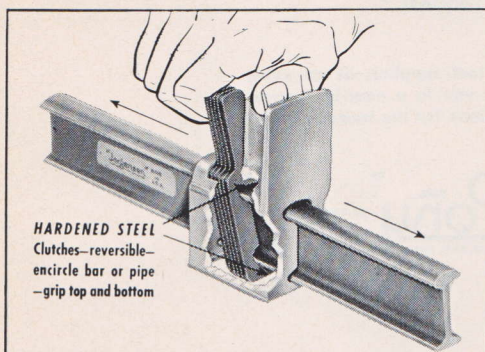
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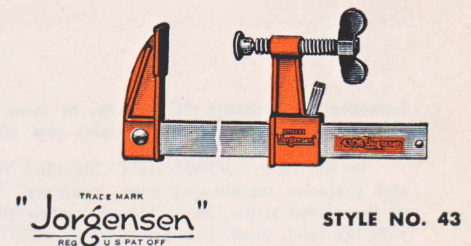
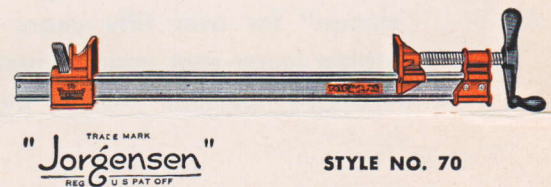
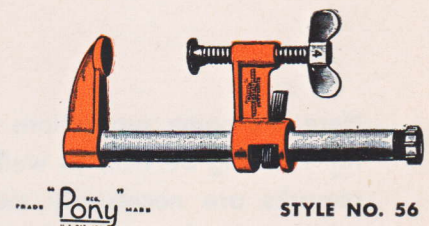
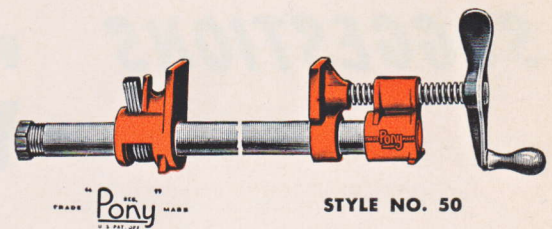
To the left is a cutaway view of our exclusive "multiple disc clutch" used on all fast-operating "JORGENSEN" and "PONY" bar clamps. This mechanism is free for instant adjustment up to the work — holds securely any place on the bar without the use of notches or other deformity in the bar to slow up the operation and reduce the effective strength of the clamp. Slight pressure on the clutch fingers releases them after clamping. The clutches encircle the bar or pipe — grip top and bottom — will not crush pipe, or fill up with "filings" from the bar to cause slippage. The clutches are "reversible", and are easily turned around or replaced if that should ever become necessary. Because of this simple construction, the "multiple disc clutch" is trouble-free and efficient, easily maintained and repaired — a distinct advantage and economy over other "quick-acting" holding devices.



For general all-around service in the welding shop, probably no tool will come in as handy as one of the several designs of our "PONY" Clamp Fixtures — "PONY" Fixtures are easily mounted on any length of ordinary black pipe, using only the regular pipe threads, to make exceptionally fast, economical and convenient steel bar clamps of any length — anytime. The Style No. 50 "PONY" is the favorite, and is mounted on  $\frac{3}{4}$ " pipe; the Style No. 56 "PONY" is also used in many welding operations, and employs  $\frac{3}{4}$ " pipe too. On all Genuine "PONY" Fixtures, our exclusive "multiple disc clutch" insures instant adjustment to the work, sure hold, and easy release. (See detailed description at bottom of reverse side.)

In many cases, welders require a variety of styles and sizes of steel bar clamps. Style No. 70 "JORGENSEN" I-bar Clamps fill the need for a strong, fast-operating bar clamp for all general purposes; there is a wide selection of other styles shown in our catalog, among which such "deep reach" designs as Styles No. 43, No. 45, No. 39 and No. 42 are used in quantities in welding service — because of their "high speed" adjustment to the work, they are frequently used in place of conventional "C" clamps. Our exclusive "multiple disc clutch" is featured on all "JORGENSEN" steel bar clamps — this feature is explained in detail at bottom of reverse side.

We have mentioned above only a few of the possible selections of clamps from our catalog; your own job, and your own personal preferences will in a large measure determine what your choice will be. We might suggest, however, that whenever ordering CLAMPS, you refer to our catalog to make certain as to what style and size will serve your purpose best. And the following specific suggestions may prove to be of some definite help.



## SOME SPECIFIC SUGGESTIONS:—

1. Consider carefully the advantages which are obvious in one of our "JORGENSEN" Shielded Welders' Clamp designs, to reduce the expense and trouble of frequent replacement of "unprotected", ordinary "C" clamps in welding service.
2. Investigate the possibility of using "JORGENSEN" quick-operating deep-reach bar clamps in place of conventional "C" clamps, especially in applications where "spatter" is not a factor.
3. Select clamps designed to take the load intended.
4. Avoid using large "C" clamps on small work—to do so, puts an abnormal bending strain on the screw and frame.
5. Specify "full length screws" on large "C" clamps only where unusual conditions require them; on the correct size of work, full length screws on large sizes of "C" clamps will extend out so far as to be a distinct annoyance.
6. Select clamps having a "depth" or "reach" as small as your

All Genuine "JORGENSEN" and "PONY" Clamps are designed from a knowledge of what is expected of clamps in service, and are manufactured to rigid specifications, under constant test and inspection. They are

work will permit; the greater the "reach", the greater the leverage that is applied to the clamp by the same force at the screw.

7. Clamps are "simple" tools, of which extremes are usually expected. Clamps that are carefully designed and simple in construction will keep your replacement and maintenance problems at a minimum.
8. Clamps cannot make good work out of work that has been improperly fabricated.
9. Any "mechanic" can wreck the best clamp made—if he uses a wrench or bar that is long enough!
10. A drop of oil on the screw, and on clutches, now and then, and handy racks for storage of clamps not in use will add years to service life.
11. "Price" is always worth considering—consideration of price only is seldom worth while.

guaranteed in workmanship and materials for the use for which they are intended. A complete free catalog will be sent upon request.

"JORGENSEN" and "PONY" Clamps are readily available thru your favorite tool supplier, at no extra cost over "ordinary" clamps. If substitutes are offered, we will be glad to refer you to a near-by source. It will pay you to specify and insist upon Genuine "JORGENSEN" and "PONY"—look for the trade-marks—

TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.

TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.

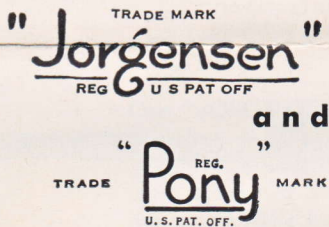
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PRINTED  
IN  
U.S.A.



# SUGGESTIONS

## FOR SELECTING CLAMPS FOR THE INDUSTRIAL SHOP!

**YOUR  
GREATEST  
VALUE—**



### **CLAMPS—made to "industrial" standards**

In any application, only the best tools can produce the best results—and this is especially true of CLAMPS. Clamps that are "made to be used" and can be depended upon to stay put and hold securely are often a determining factor in achieving the satisfactory results desired. "JORGENSEN" and "PONY" Clamps are designed by craftsmen who know and use clamps . . . and have built into them an accumulation of over fifty years of specialized manufacturing experience.

For best results, and long, satisfactory service—the fine materials and careful workmanship that go into "JORGENSEN" and "PONY" Clamps make them the finest tools of their kind for your work; since they are also competitively priced, they are your best value!

suggestions which we hope will be helpful when you make a selection of particular job, or for general shop supply and use. Since CLAMPS have usefulness, in so many kinds of applications in all trades and crafts, our suggestions are necessarily made in very general terms. We would be glad to be of specific assistance and invite your requests for any suggestions or other assistance which we are specialized in the field of "clamps" for over fifty years — every "PONY" design shown in our catalog (copy sent upon request) reflects experience, and will give you greatest possible value for the use intended.

discscrews are, in our opinion, the finest general purpose clamping tool. Properly and rapidly adjusted, quickly applied to and removed from the job. They provide a work for the effort expended. The highly selected, straight grain, hard maple face to the work being clamped, without any tendency to "creep" or twist. Also, it holds securely, without slipping, against any kind of surface—wood, metal, fabric or of marring the work. With only ordinary care, they will outlast the "iron" clamps. The Style "J" is "adjustable" for either flat or angular work, and is much more reach than the Style #9 "non-adjustable" type, although the price is the same. Not Genuine "JORGENSEN"—be sure to look for the "JORGENSEN" Trade-mark on the clamps you buy.

For comparatively wide work, some kind of "bar clamp" is required. In the field of bar clamps, the "J" and "PONY" line has introduced many improvements over "ordinary" clamps. Our exclusive "multiple disc clutch" (see explanation below)—all fast-operating "JORGENSEN" bar clamps are equipped with this most economical and efficient mechanism. Style #40 and #70 "JORGENSEN" are the most popular; the "I"-section bar of the "J" is the one who want visible assurance of great strength, although we rate the Style #40 "J" because of the quality of the steel in its flat bar, which is not available in any other design. Our catalog shows many variations of steel bar clamp design, to offer clamps of different reach, or of greater or smaller "reach". Some designs have all the adjustment on one side for use in corners or other restricted quarters. Deep-reach bar clamps of this type, Style #2, #43 or #45 "JORGENSEN" are very frequently used in place of conventional clamps because of their much more rapid action and instant adjustment to the work.

For all-around usefulness and economy, our "PONY" Clamp Fixtures are most popular. They are fast-operating bar clamps on ordinary black pipe of any length, and are quickly adjusted from one piece of pipe to another without the use of tools of any kind—only the regular pipe wrench to assemble. The Style #50 "PONY" is the most widely used, and like all other "PONY" clamps has our exclusive "multiple disc clutch" for instant adjustment to the work, and for economy in service. This mechanism will not crush the pipe, or fill up with "filings" or cause slippage and disappointment. "PONY" Clamp Fixtures have been widely imitated but none genuine!

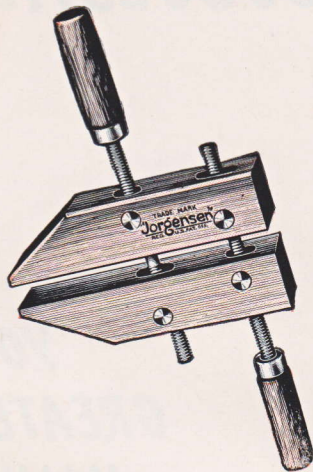
To the left is a cutaway view of our exclusive "multiple disc clutch" used on all fast-operating "JORGENSEN" and "PONY" bar clamps. This mechanism is free for instant adjustment up to the work — holds securely any place on the bar without the use of notches or other deformity in the bar to slow up the operation and reduce the effective strength of the clamp. Slight pressure on the clutch fingers releases them after clamping. The clutches encircle the bar or pipe — grip top and bottom — will not crush pipe, or fill up with "filings" from the bar to cause slippage. The clutches are "reversible", and are easily turned around or replaced if that should ever become necessary. Because of this simple construction, the "multiple disc clutch" is trouble-free and efficient, easily maintained and repaired — a distinct advantage and economy over other "quick-acting" holding devices.



# SUGGESTIONS

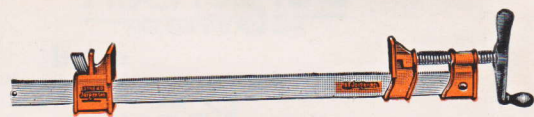
FOR SELECTING CLAMPS

# INDUSTRIAL



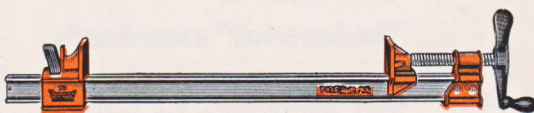
TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.

HANDSCREWS



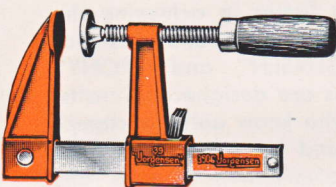
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"Jorgensen"  
REG. U.S. PAT. OFF.

STYLE NO. 40



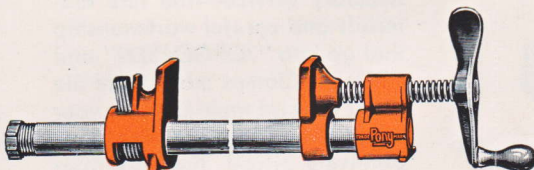
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REG. U.S. PAT. OFF.

STYLE NO. 70



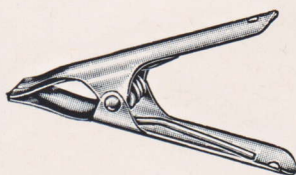
TRADE MARK  
"Jorgensen"  
REG. U.S. PAT. OFF.

STYLE NO. 39



TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.

STYLE NO. 50



TRADE MARK  
"Pony"  
REG. U.S. PAT. OFF.

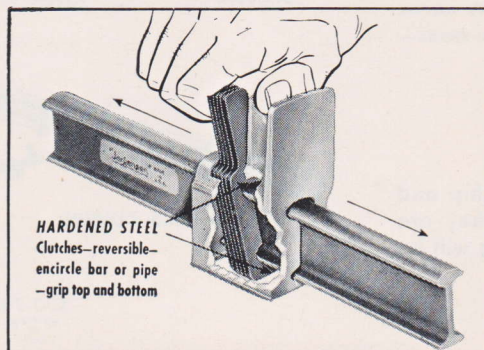
STYLE No. 32

Here are some suggestions which we hope will be helpful when selecting CLAMPS, either for a particular job, or for general shop supply and such a wide range of usefulness, in so many kinds of applications. The comments here are necessarily made in very general terms. We would like to help on any occasion and invite your requests for any suggestions you can give. We have specialized in the field of "clamps" for many years. "JORGENSEN" and "PONY" design shown in our catalog (copy sent on request) will give you the full benefit of that experience, and will give you greatest possible

Our "JORGENSEN" Handscrews are, in our opinion, the finest general purpose clamps handled, they are easily and rapidly adjusted, quickly applied to and removed from the work for the effort expended. The highly selected steel jaws present a broad surface to the work being clamped, without any tendency to mar the work. The wood jaws hold most securely, without slipping, against any kind of surface. The plastic—without danger of marring the work. With only ordinary care, they are which are often substituted. The Style "J" is "adjustable" for either flat or curved work, and is generally used and preferred than the Style #9 "non-adjustable" type, although all Handscrews are the Genuine "JORGENSEN"—be sure to look for the "J" on the jaws of the Handscrews you buy.

For clamping over comparatively wide work, some kind of "bar clamp" is needed. In our line of bar clamps, the "JORGENSEN" and "PONY" line has introduced many improvements. Chief among these is our exclusive "multiple disc clutch" (see explanation below). The "JORGENSEN" and "PONY" bar clamps are equipped with this most economical clutch. For general use, Styles #40 and #70 "JORGENSEN" are the most popular. Style #70 appeals to those who want visible assurance of great strength, although it is being slightly stronger because of the quality of the steel in its flat bar, "I"-section bar clamp. Our catalog shows many variations of steel bar clamps—lighter or heavier weight, or of greater or smaller "reach". Some designs have a "head", for convenience in use in corners or other restricted quarters. Deep-jawed like our Styles #39, #42, #43 or #45 "JORGENSEN" are very frequently used, because of their much more rapid action and instant adjustment.

For bar clamps of greatest all-around usefulness and economy, our "PONY" line is the most popular—they make ideal, fast-operating bar clamps on ordinary black pipe and can be adapted from one length of pipe to another without the use of tools of any kind. No threads are required to assemble. The Style #50 "PONY" is the most widely used. "PONY" Fixtures, employs our exclusive "multiple disc clutch" for instant adjustment. This mechanism will not crush the pipe from the pipe to cause slippage and disappointment. "PONY" Clamp Fixtures—be sure you get the Genuine!



To the left is a cutaway view of our exclusive "multiple disc clutch" mechanism. It allows for instant adjustment up to the work — holds securely without the use of notches or other deformity in the bar. It does not reduce the effective strength of the clamp. Slight pressure releases them after clamping. The clutches encircle the bar — will not crush pipe, or fill up with slippage. The clutches are "reversible", and are used if that should ever become necessary. Because of the "multiple disc clutch" is trouble-free and efficient — a distinct advantage and economy over other



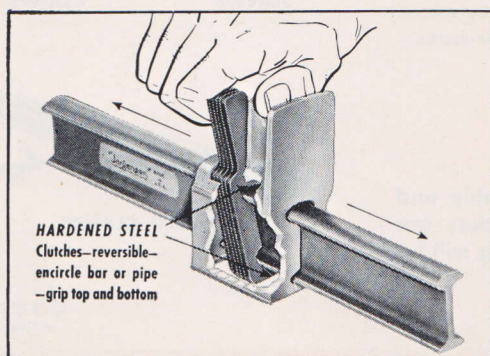
# SUGGESTIONS FOR SELECTING CLAMPS FOR THE INDUSTRIAL SHOP!

Here are some suggestions which we hope will be helpful when you make a selection of CLAMPS, either for a particular job, or for general shop supply and use. Since CLAMPS have such a wide range of usefulness, in so many kinds of applications in all trades and crafts, our comments here are necessarily made in very general terms. We would be glad to be of specific help on any occasion and invite your requests for any suggestions or other assistance which we can give. We have specialized in the field of "clamps" for over fifty years — every "JORGENSEN" and "PONY" design shown in our catalog (copy sent upon request) reflects the full benefit of that experience, and will give you greatest possible value for the use intended.

Our "JORGENSEN" Handscrews are, in our opinion, the finest general purpose clamping tool. Properly handled, they are easily and rapidly adjusted, quickly applied to and removed from the job. They provide greatest leverage on the work for the effort expended. The highly selected, straight grain, hard maple jaws present a broad surface to the work being clamped, without any tendency to "creep" or twist. Also, the wood jaws hold most securely, without slipping, against any kind of surface—wood, metal, fabric or plastic—without danger of marring the work. With only ordinary care, they will outlast the "iron" clamps which are often substituted. The Style "J" is "adjustable" for either flat or angular work, and is much more generally used and preferred than the Style #9 "non-adjustable" type, although the price is the same. Not all Handscrews are the Genuine "JORGENSEN"—be sure to look for the "JORGENSEN" Trade-mark on the jaws of the Handscrews you buy.

For clamping over comparatively wide work, some kind of "bar clamp" is required. In the field of bar clamps, the "JORGENSEN" and "PONY" line has introduced many improvements over "ordinary" clamps. Chief among these is our exclusive "multiple disc clutch" (see explanation below)—all fast-operating "JORGENSEN" and "PONY" bar clamps are equipped with this most economical and efficient mechanism. For general use, Styles #40 and #70 "JORGENSEN" are the most popular; the "I"-section bar of the Style #70 appeals to those who want visible assurance of great strength, although we rate the Style #40 as being slightly stronger because of the quality of the steel in its flat bar, which is not available in any "I"-section bar clamp. Our catalog shows many variations of steel bar clamp design, to offer clamps of lighter or heavier weight, or of greater or smaller "reach". Some designs have all the adjustment on one "head", for convenience in use in corners or other restricted quarters. Deep-reach bar clamps of this type, like our Styles #39, #42, #43 or #45 "JORGENSEN" are very frequently used in place of conventional "C" clamps, because of their much more rapid action and instant adjustment to the work.

For bar clamps of greatest all-around usefulness and economy, our "PONY" Clamp Fixtures are most popular—they make ideal, fast-operating bar clamps on ordinary black pipe of any length, and are quickly adapted from one length of pipe to another without the use of tools of any kind—only the regular pipe threads are required to assemble. The Style #50 "PONY" is the most widely used, and like all other "PONY" Fixtures, employs our exclusive "multiple disc clutch" for instant adjustment to the work, and for greatest convenience and economy in service. This mechanism will not crush the pipe, or fill up with "filings" from the pipe to cause slippage and disappointment. "PONY" Clamp Fixtures have been widely imitated—be sure you get the Genuine!



To the left is a cutaway view of our exclusive "multiple disc clutch" used on all fast-operating "JORGENSEN" and "PONY" bar clamps. This mechanism is free for instant adjustment up to the work — holds securely any place on the bar without the use of notches or other deformity in the bar to slow up the operation and reduce the effective strength of the clamp. Slight pressure on the clutch fingers releases them after clamping. The clutches encircle the bar or pipe — grip top and bottom — will not crush pipe, or fill up with "filings" from the bar to cause slippage. The clutches are "reversible", and are easily turned around or replaced if that should ever become necessary. Because of this simple construction, the "multiple disc clutch" is trouble-free and efficient, easily maintained and repaired — a distinct advantage and economy over other "quick-acting" holding devices.



"C" clamps are probably the most widely used type of clamp—and are used in many instances where another design would provide better service and value. "C" clamps have a very definite place in many kinds of service, and are usually readily available—but we suspect that in many cases they are used either as the result of "misplaced economy" or because the buyer is not familiar with other types of clamps which might serve much more efficiently. In cases where "C" clamps may be properly used for all "general purpose" requirements, if "price" is the first consideration we suggest our Style #1 "JORGENSEN". Our Style #120 "JORGENSEN" offer the greatest value, since for very little additional cost they provide not only far greater strength, but also a deeper throat, which is an advantage sought after by many users. "C" clamps are available in a great variety of materials, weights, sizes and qualities—but you can be sure that all "JORGENSEN" and "PONY" "C" clamps are correctly designed and liberally proportioned for greatest possible satisfaction in service.

For welders and other fabricators, our "JORGENSEN" Shielded Welders Clamps are a distinct and very practical improvement; the heavy steel Shield over the full length of the clamp screw provides POSITIVE protection from "spatter" and other damage to a degree which no half-way measure can approach.

We seldom recommend "quick-acting" "C" clamps of any kind—in most cases where speed of operation is a factor, our suggestion made above as to quick-acting, deep-reach bar clamps for this type of service will be found worth acting upon.

Various "special" designs of clamps are shown in our catalog, for particular types of work, or preferences. Clamp Fixtures for use on wood bars are used by many who like the qualities of wood in the bar; for fine finished cabinet work, our Style #59 "PONY" is unexcelled. Press Screws are used in quantities in many applications where special jigs or fixtures are required for gluing, welding, bending, upholstering, and other such operations. The #66-H Head Assembly can be mounted on any flat surface, or bench top, for the same purpose. For hard-to-get-at right-angle clamping pressure, the #64 "JORGENSEN" Cross Clamp Fixture will be found very useful.

## SOME SPECIFIC SUGGESTIONS:—

1. Investigate the possibility of using "JORGENSEN" Handscrews in place of other types of clamps, and take advantage of their many more efficient and desirable qualities for your work.
2. Investigate the possibility of using "JORGENSEN" quick-operating deep-reach bar clamps in place of conventional "C" clamps.
3. Select clamps designed to take the load intended.
4. To use a large "C" clamp on small work puts an abnormal bending strain on the screw and frame.
5. Specify "full length screws" on large "C" clamps only when unusual conditions require them. On the correct size of work, full length screws on large "C" clamps will extend out so far as to be a distinct annoyance.
6. Select clamps having a "depth" or "reach" as small as your work will permit; the greater the "reach", the greater the leverage that is applied to the clamp by the same force at the screw.
7. Clamps are "simple" tools, of which extremes are usually expected. Clamps that are carefully designed and simple in construction will keep your replacement and maintenance problems at a minimum.
8. Clamps cannot make good work out of work that has been improperly fabricated.
9. Any "mechanic" can wreck the best clamp made—if he uses a wrench or bar that is long enough!
10. A drop of oil on the screw, and on clutches, now and then, and handy racks for storage of clamps not in use will add years to service life.
11. "Price" is always worth considering—consideration of price only is seldom worth while.

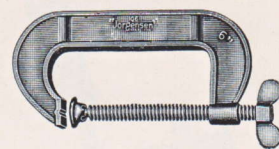
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TRADE MARK  
"Jorgensen"  
REG. U. S. PAT. OFF.

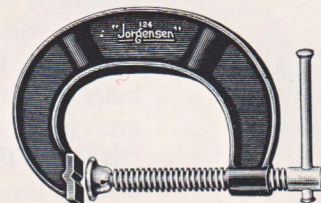
"Pony"  
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U. S. PAT. OFF.

All Genuine "JORGENSEN" and "PONY" Clamps are designed from a knowledge of what is expected of clamps in service, and are manufactured to rigid specifications, under constant test and inspection.

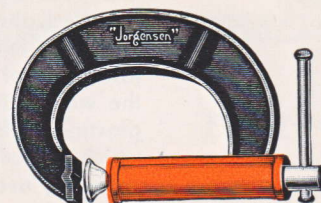
They are guaranteed in workmanship and materials for the use for which they are intended. A complete free catalog will be sent upon request.



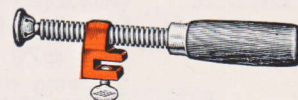
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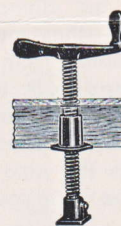
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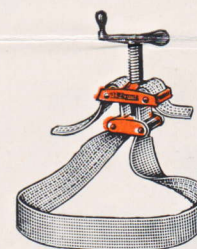
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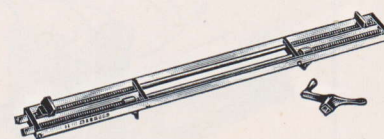
TRADE MARK  
"Jorgensen"  
REG. U. S. PAT. OFF. STYLE NO. 64



PRESS  
SCREWS



BAND  
CLAMPS



PILING CLAMPS

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